

EPA Region 5 Records Ctr.



392231

MORECO Energy, Inc.

Motor Oils Refining Company

RCRA Part B

Application

RECEIVED

JUN 20 1983

E.P.A. — DEPT. OF
STATE OF ILLINOIS

received
[6-3-83]

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SECTION A

PART A APPLICATION

FORM 1		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	EPA I.D. NUMBER IL D 000646786
I. FACILITY INFORMATION III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION		PLEASE PLACE LABEL IN THIS SPACE	
		GENERAL INSTRUCTIONS If a preprinted label has been provided, it is in the designated space. Review the information carefully; if any of it is incorrect, or through it and enter the correct data in appropriate fill-in area below. Also, if any the preprinted data is absent (the area to left of the label space lists the information that should appear), please provide it in proper fill-in area(s) below. If the label complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete items II if no label has been provided. Refer the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1	SKIP	MOTOR OILS REFINING COMPANY
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IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 SALMON JAMES ENVIRON. COORD	312 242 2252

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	B. CITY OR TOWN	C. STATE	D. ZIP CODE
3 7601 West 47th Street	4 Mc Cook	IL	60525

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	B. COUNTY NAME	C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
5 7601 West 47th Street	Cook	Mc Cook	IL	60525	031

A. FIRST

B. SECOND

2992 (specify) Lubricating Oils, Refining

(specify)

C. THIRD

D. FOURTH

(specify)

(specify)

I. OPERATOR INFORMATION

A. NAME

MORECO ENERGY INCORPORATED

B. Is the name listed in Item VIII-A also the owner?

☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F - FEDERAL
S - STATE
P - PRIVATEM - PUBLIC (other than federal or state)
O - OTHER (specify)

M (specify)

D. PHONE (area code & no.)

312 242 2252

E. STREET OR P.O. BOX

7601 West 47th Street

F. CITY OR TOWN

McCook

G. STATE

IL.

H. ZIP CODE

60525

IX. INDIAN LAND

Is the facility located on Indian lands?

☐ YES ☒ NO

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)

D. PSD (Air Emissions from Proposed Sources)

9 P 031174 A.A.E.

B. UIC (Underground Injection of Fluids)

E. OTHER (specify)

9 1980-2-QP

(specify) IEPA Land Pollution Operating Permit

C. RCRA (Hazardous Wastes)

E. OTHER (specify)

9 ILD000646786

(specify) Attached list of IEPA Special Waste Permits

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See Instructions for precise requirements.

J. NATURE OF BUSINESS (provide a brief description)

Facility re-refines used lubricating oils. Recompounds and blends this oil into various finished lube oil products, i.e., motor oils, hydraulic oils, gear oils, etc.

K. CERTIFICATION (see Instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME & OFFICIAL TITLE (type or print)

Kenneth L. Fredette
Vice President, Financial

B. SIGNATURE

Kenneth L. Fredette

C. DATE SIGNED

1/4/82

REMARKS FOR OFFICIAL USE ONLY

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)

COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITY, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete item I above)

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measures that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C. DUP											
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)					1. AMOUNT	2. UNIT OF MEASURE (enter code)		
X-1	S 0 2	600	G			5					
X-2	T 0 3	20	E			6					
1	S 0 2	2 500 000	G			7					
2						8					
3						9					
4						10					

DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

SAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

O Z	A. EPA HAZARD. WASTE NO (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES								
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))				
-1	K	0	5	4	900	P	T	0	3	D	8	0			
-2	D	0	0	2	400	P	T	0	3	D	8	0			
-3	D	0	0	1	100	P	T	0	3	D	8	0			
-4	D	0	0	2											included with above

included with above

EPA I.D. NUMBER (enter from page 1) <div style="border: 1px solid black; display: flex; justify-content: space-between; padding: 2px;"> 131415 </div>	FOR OFFICIAL USE ONLY <div style="border: 1px solid black; display: flex; justify-content: space-around; padding: 5px;"> WDUP </div>	<div style="border: 1px solid black; display: flex; justify-content: space-between; padding: 2px;"> 161718 </div> <div style="border: 1px solid black; display: flex; justify-content: space-around; padding: 5px;"> 2DUP </div>
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V. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES															
	1	2	3	4			1. PROCESS CODES (enter)															
	13	14	15	16			17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	D	0	0	8	300 000	P	S	0	2													
2																						
3																						
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IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)											
1	2	3	4	5	6	7	8	9	10	11	12
F	I	L	D	0	0	6	4	6	7	8	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)						LONGITUDE (degrees, minutes, & seconds)					
1	2	3	4	5	6	7	8	9	10	11	12
8	7	4	8	4	0	0	41	48	1	3	8

VIII. FACILITY OWNER

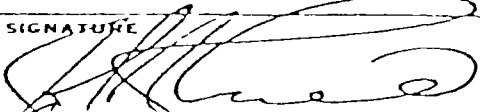
☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER						2. PHONE NO. (area code & no.)					
3. STREET OR P.O. BOX						4. CITY OR TOWN					
5. ST.						6. ZIP CODE					

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
John P. O'Connell		11/4/82

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
Kenneth L. Fredette		11/4/82

ADDENDUM

Motor Oils Refining Company is engaged in the business of re-refining used lubricating oils. We have capacity to produce approximately fifteen million gallons per year of re-refined lubricants. We use a re-refining treatment or process which utilizes tanks and distillation and processing vessels and other auxiliary equipment to accomplish this. It is our present understanding that this operation should not be listed on the attached EPA forms in that where material fed into a recycling operation, such material are excluded from such registrations. If, however, this interpretation is not right, we have included the required information to have such an operation listed and registered with the EPA.

The capacity of our facility expressed as used lubricating oil input to our operation is approximately twenty million gallons per year based on what we feel is an average used oil quality. We have listed on the attached forms the waste which we generate at our facility which we feel come under the EPA reporting system. The above mentioned re-refining process and the used oil refining capacity are only included in this attachment.

If required, add the following:

- | | |
|----------|------------------------------|
| ITEM III | A. TO1, TO4 |
| | B.1 60,000 |
| | B.2 U |
| ITEM IV | A. D008 |
| | B. 20,000,000 |
| | C. Y |
| | D.1 TO4 (Re-refining System) |

PERMIT NUMBER	EXPIRES	PERMIT NUMBER	EXPIRES	PERMIT NUMBER	EXPIRES
991109	2/4/82	992921	6/1/84	993894	8/15/84
991155	7/1/82	992922	"	993895	"
991156	7/1/82	992923	"	993896	"
991157	"	992949	6/9/84	993897	"
991158	"	992974	6/4/84	993898	"
991159	"	992982	6/1/84	993905	7/10/84
991160	"	992983	5/20/82	993906	"
991161	"	992994	5/9/84	993907	"
991162	"	993043	6/30/84	993908	"
991212	"	993060	7/10/84	993909	"
991289	"	993061	6/23/84	993910	"
991302	"	993062	6/23/84	993911	"
991357	"	993063	7/10/84	993912	"
991358	"	993074	6/17/84	993913	"
991359	"	993110	6/19/84	993914	"
991360	"	993116	"	993915	"
991361	"	993117	"	993916	"
991362	"	993144	6/22/84	993917	"
991403	"	993145	"	993918	"
991503	"	993148	"	993945	8/20/84
991513	"	993149	"	993946	"
991514	"	993155	"	993947	8/3/82
991515	"	993156	"	993948	"
991516	"	993221	6/26/84	993950	8/15/84
991517	"	993248	7/10/84	993951	9/12/84
991545	"	993273	3/18/84	993952	"
991551	"	993276	3/3/84	993954	8/20/84
991571	"	993277	5/5/84	993955	"
991596	"	993278	6/30/84	993956	8/2/82
991647	2/4/82	993284	7/10/84	993958	8/3/82
991676	7/1/82	993286	7/13/84	993959	"
991690	"	993389	6/23/84	993960	"
991691	"	993422	7/2/84	993962	"
991705	"	993423	"	993963	"
991707	"	993443	8/14/84	993964	"
991708	"	993444	"	993965	"
991757	3/1/82	993445	"	993966	"
991816	3/2/82	993448	"	993967	"
991925	7/1/82	993499	8/15/84	993968	"
991938	"	993451	"	993969	"
991939	"	993452	"	993970	8/20/84
991944	"	993456	"	993971	"
992117	6/2/84	993578	7/20/84	993972	"
992147	7/1/82	993585	7/13/84	993973	"
992242	6/8/84	993880	8/24/84	993974	"
992303	7/1/82	993883	8/15/84	993975	"
992304	"	993884	"	993976	"
992305	"	993885	"	993977	"
992325	"	993886	"	993978	8/3/82
992326	"	993887	"	993979	8/20/82
992535	5/26/84	993888	"	993980	8/20/84
992536	7/1/82	993889	"	993981	"
992903	"	993890	7/28/84	993982	"
992904	6/2/84	993891	8/15/84	993983	"
992912	6/1/84	993892	"	993984	8/3/82
992920	6/1/84	993893	"	993985	"

Revised: 12/22/81

PERMIT NUMBER	EXPIRES	PERMIT NUMBER	EXPIRES	PERMIT NUMBER	EXPIRES
993987	3/3/82	994248	9/11/84	998855	10/15
993989	"	994364	9/20/84	998856	"
993990	"	994365	"	998857	"
993991	"	994367	9/25/84	998858	"
993992	"	994368	"	998860	10/15
993993	"	994391	9/21/84	998861	10/15
993994	9/12/84	994441	9/25/84	998862	"
993995	"	994456	10/24/84	998863	"
993996	"	994459	10/15/84	998864	"
993997	"	994462	7/10/84	998865	"
993998	8/3/82	994479	"	998866	"
993999	"	994482	"	998867	"
994000	8/24/84	994494	10/24/82	998868	"
994001	"	994495	"	998869	9/20/
994002	"	994496	"	998870	10/15
994003	"	994534	10/24/84	998871	"
994004	"	994535	9/17/82	998872	"
994005	"	994558	10/24/84	998873	"
994006	8/15/84	994671	9/30/84	998874	"
994008	8/24/84	994672	"	998875	"
994009	"	994673	"	998876	"
994010	"	994674	"	998877	"
994011	8/14/84	994681	"	998878	"
994012	8/24/84	994682	"	998879	"
994013	"	994705	7/10/84	998880	"
994015	"	994706	"	998881	"
994028	8/25/84	994707	"	998882	"
994029	"	994772	10/14/84	998883	"
994030	"	995361	11/13/84	998886	"
994066	8/15/84	997159	10/30/84	998887	"
994084	8/25/84	997436	7/1/82	998888	"
994099	8/24/84	997529	2/2/82	998889	"
994124	8/15/84	997645	3/3/82	998891	"
994128	8/7/84	997706	3/8/82	998892	"
994130	"	997799	7/1/82	998893	"
994131	"	997859	"	998894	"
994132	"	997953	"	998899	"
994137	8/30/84	997963	5/7/82	998903	"
994138	"	998051	6/10/84	998907	"
994139	"	998231	7/10/84		
994140	"	998233	"		
994141	"	998263	"		
994173	8/20/84	998273	"		
994190	9/15/84	998276	"		
994191	9/15/84	998277	"		
994192	"	998290	"		
994193	"	998334	"		
994200	8/30/84	998338	"		
994240	9/11/84	998652	9/2/82		
994241	"	998695	9/9/82		
994242	"	998723	9/16/82		
994243	"	998847	10/8/84		
994244	"	998848	10/15/84		
994245	"	998849	"		
994246	"	998853	"		
994247	"	998854	"		

SECTION B

FACILITY DESCRIPTION

B - 1, 3

FACILITY DESCRIPTION

The processing plant, located in McCook, Illinois, re-refines waste oil through a proprietary vacuum distillation process. The process produces base oil which is then blended with virgin blending oils and additives to produce lubricants meeting customer specifications.

The plant is situated on a 6.6 acre tract of land in an industrial area of McCook. There are two buildings on the site along with the distillation equipment and storage tanks for used oil, base oil, blending oil, and additives. Total tank capacity is approximately 2.6 M gallons. There are also provisions for handling drum quantities of all these materials.

Primary processing equipment consists of six (6) atmospheric distillation towers, three (3) vacuum distillation systems, six (6) process heaters, two (2) steam boilers, a Dowtherm vaporizer, a water treatment facility, and an incinerator. The total storage capacity is approximately 2.5 M gallons.

Used oil supplies come from three primary sources: railroads (diesel engine lube oil and car journal oil), industrial users (hydraulic, metalworking, and quenching oils), and automotive consumers (crank case oil). Railroad diesel engine used oil is segregated from the other lower viscosity oils throughout the system. This oil generally contains no lead. Storage for the lower viscosity used oil is limited to two (2) 250 K gallon tanks.

Process byproducts, a very heavy asphalt-like material and fuel oil are sold commercially. Some of the fuel oil is consumed internally for process heat. Approximately half the process heat is produced by burning natural gas.

Process water is collected and treated in an API separator and a DAF system. Since the plant is diked around the entire perimeter, rain water is also processed through the waste water treatment facility. The fuel oil mentioned above is removed from the API separator.

Light gases are drawn off the API separator, scrubbed, and consumed in the incinerator. The incinerator operates similar to a flare in that it burns the plant's cracked waste gases, which are byproducts of the main operations. No hazardous wastes are burned in the incinerator. This incinerator is incorporated in the plant's operating permit-Application Number 72110951.

Process area fire protection is provided by deluge and sprinkler systems, strategically located fire hydrants and hoses, and dry chemical extinguishers. A fire alarm is tied into the McCook fire department through ADT. No storage tanks contain ignitable substances.

Attached is a plot plan describing locations of buildings, sewers, fire control facilities, drainage barriers, and run off control systems for this facility.

Referring to the topographic map, page 16, residential areas are north of 47th Street. The areas south of 47th Street are industrial. The area southeast of the ship canal becomes residential again.

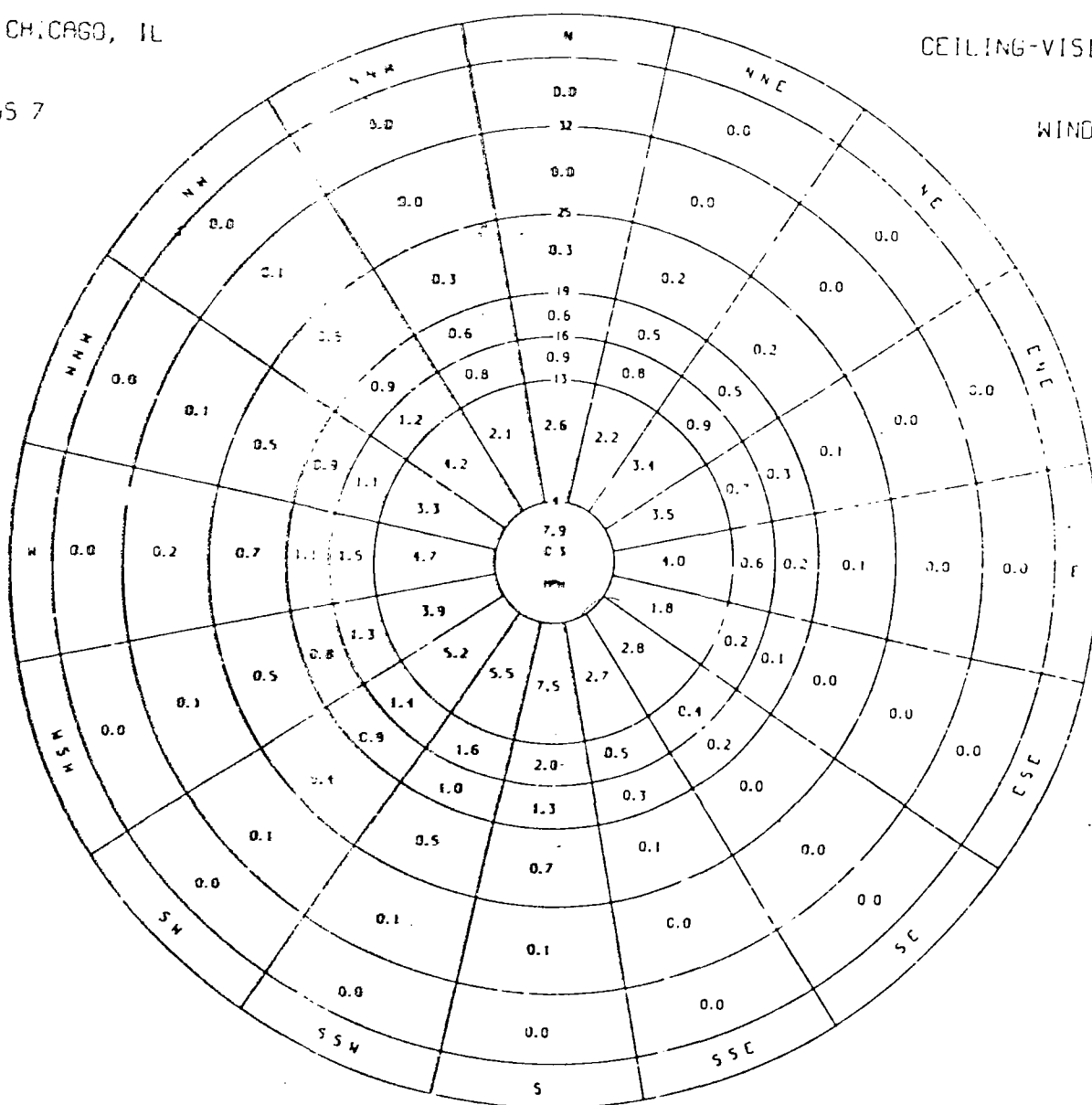
WIND ROSE

MDW CHICAGO, IL

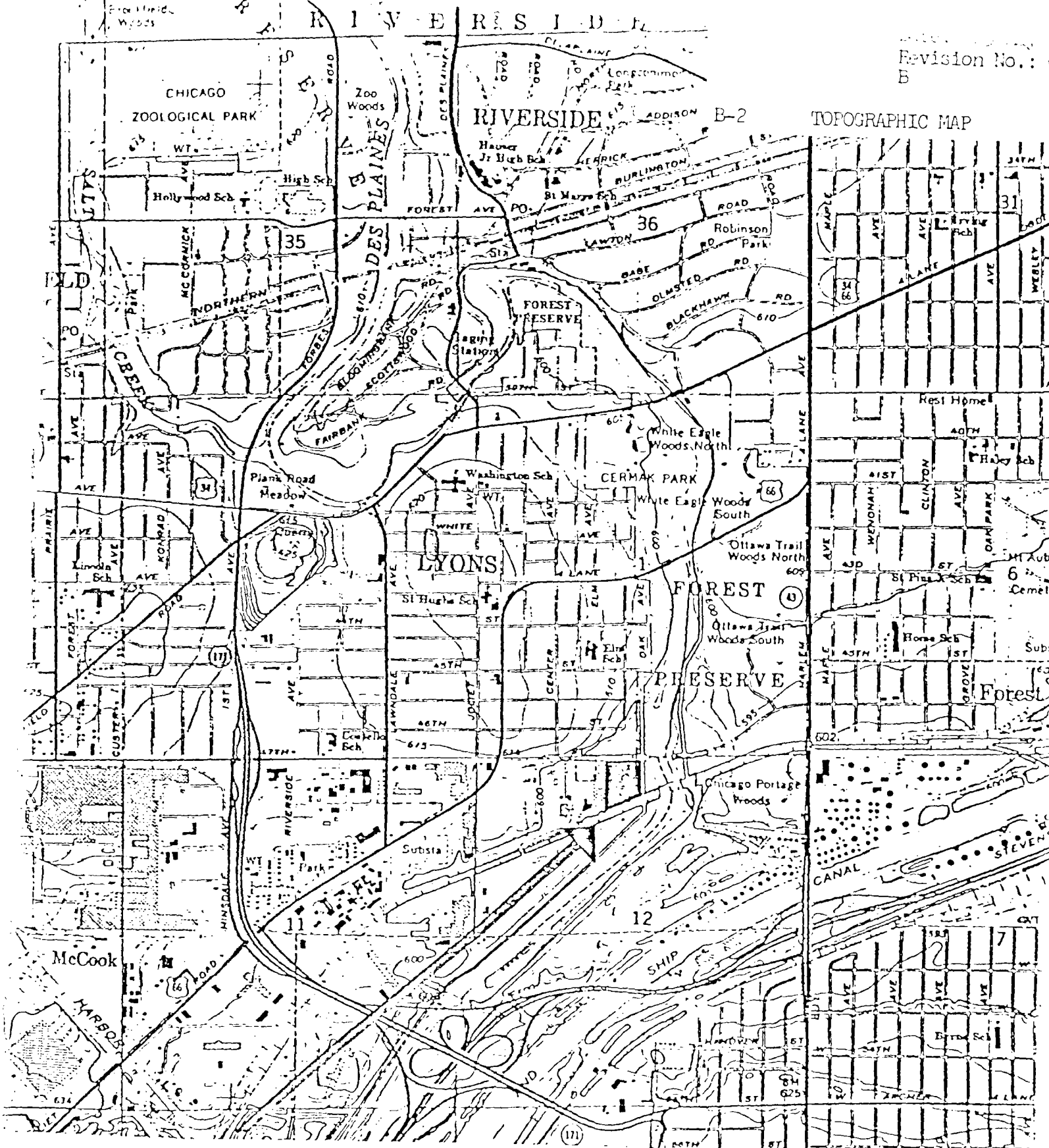
CLASS 7

CEILING-VISIBILITY

WIND GRAPH



Source: NOAA; closest airport to Motor Oils Refining Company is Midway.



TOPOGRAPHIC MAP

RIVERSIDE B-2

LYONS

FOREST

PRESERVE

Motor Oils Refining Company

7601 WEST 47th STREET, MCCOOK, ILLINOIS 60525

Page 16

JUN 20 1991

F.P.A. STATION

SUMMIT

INDIANA

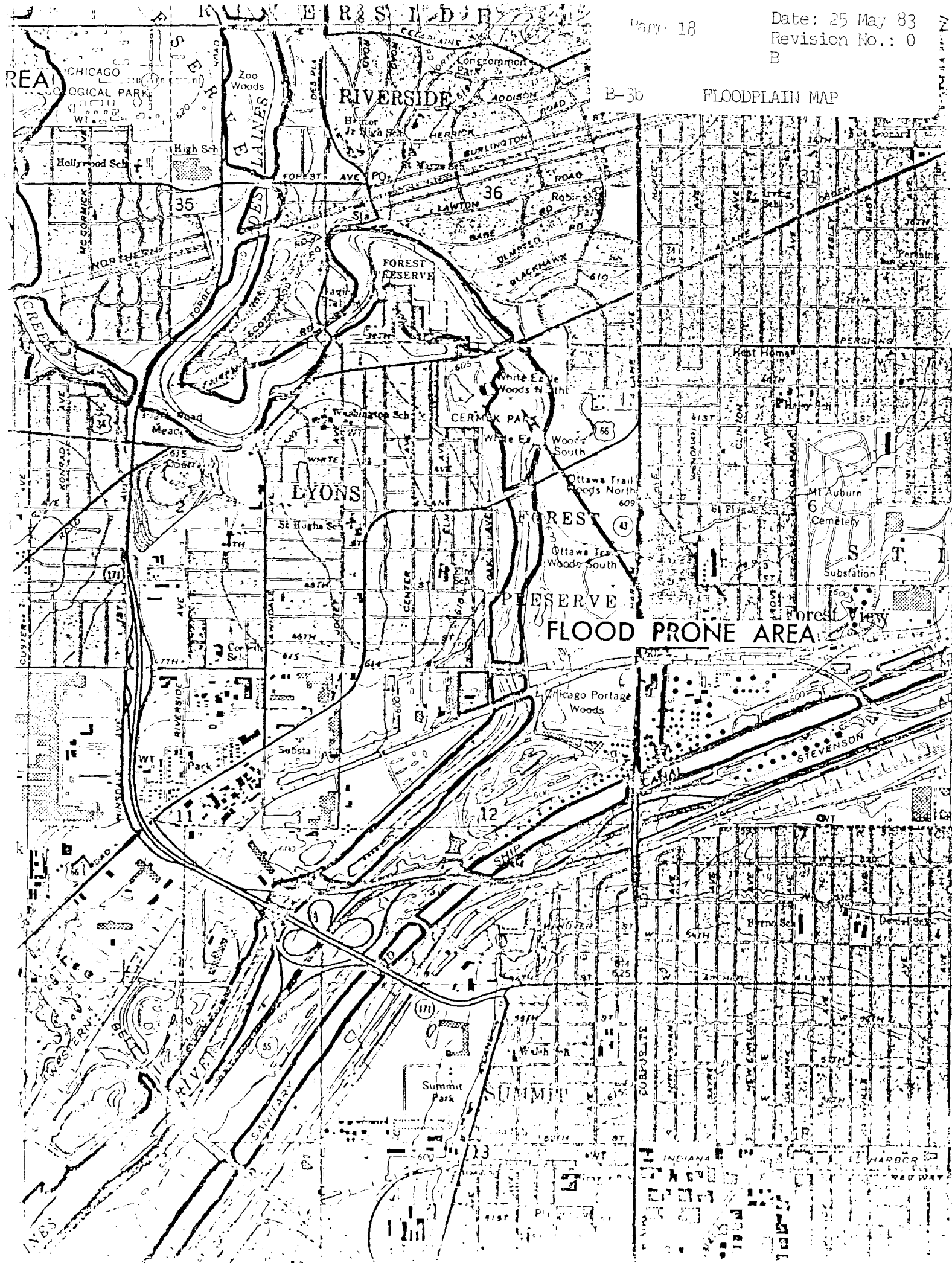
CHICAGO

COOK

B-3b

FLOODPLAIN INFORMATION

The McCook, Illinois plant is bordered on the east by a levee on the Des Plaines river. A map of flood-prone areas, a portion of which is attached, indicates that the levee is sufficient to make the plant invulnerable to a 100 year flood. The map was prepared by the U. S. Geological Survey.



B-4

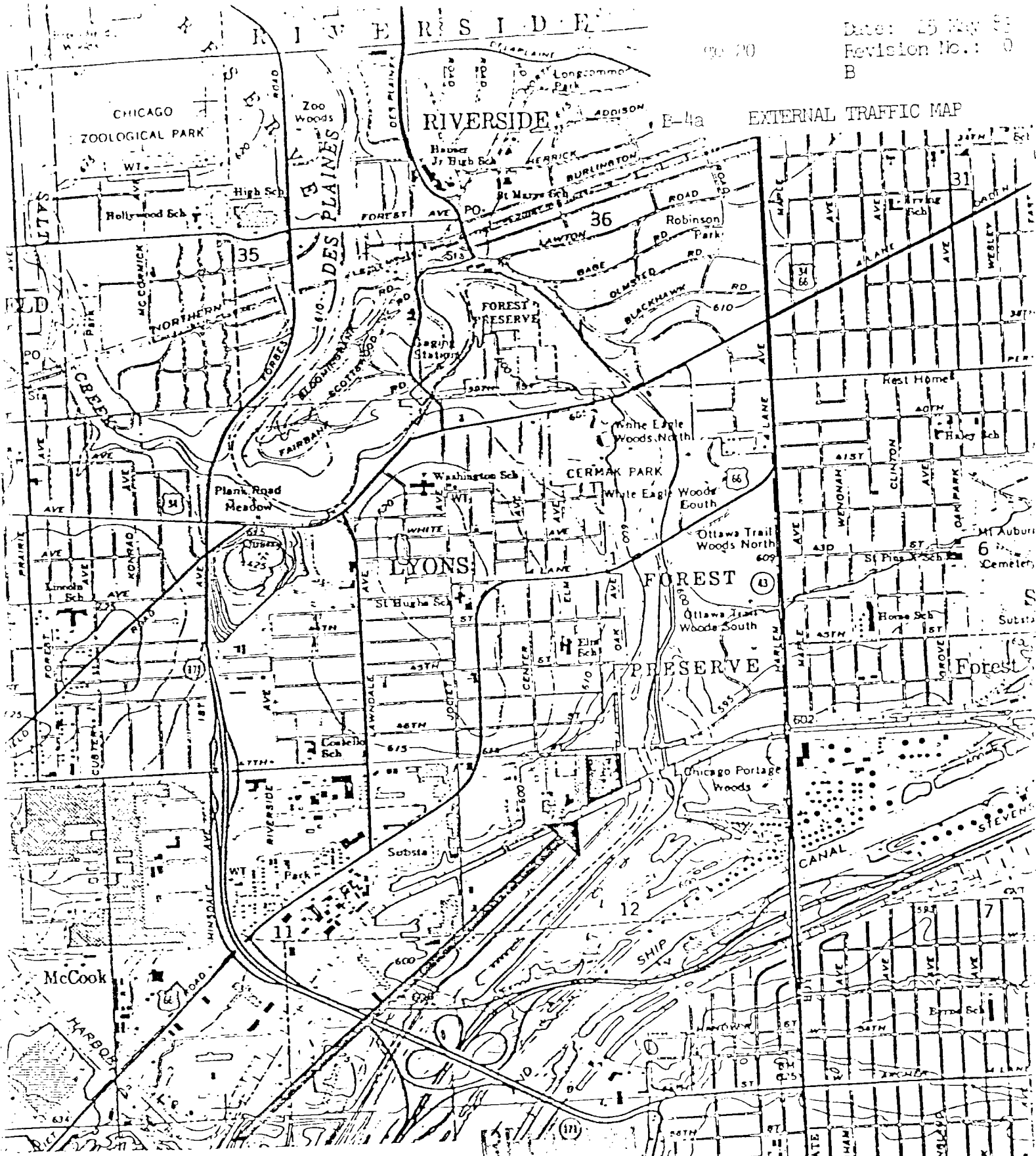
TRAFFIC MANAGEMENT

The McCook plant is located adjacent to a four lane boulevard, 47th Street. This provides the only motor vehicular access to the facility. The drive entrance is approximately 0.6 miles west of the intersection of 47th Street and Harlem Avenue; 0.35 miles east of 47th Street and Joliet Road.

Access to Interstate 55 is approximately 1.2 miles via 47th Street and Harlem Avenue; and 1.25 miles via 47th Street, Joliet Road and 1st Avenue. I-55 is south of the plant.

Motor vehicle traffic inside the plant is confined to a one-lane loop and a central staging area near the entrance. Trucks are kept in the staging area until the loading/unloading site is clear. A plot plan with the traffic pattern is attached.

Rail traffic enters and leaves the plant on a spur at the southwest corner of the plant. In the plant, one spur runs eastward and is used for parking used oil cars. The second plant spur runs northward and is used for finished product loading. A plot plan indicating these spurs is attached.



Date: 15 May 81
Revision No.: 0
B

EXTERNAL TRAFFIC MAP



Motor Oils Refining Company

7601 WEST 47th STREET, MCCOOK, ILLINOIS 60525



SECTION C

WASTE CHARACTERISTICS

C-1

HAZARDOUS WASTE CHARACTERISTICS

Used Industrial & Automotive Oils

These oils are collected from gas stations and businesses that use industrial machines or have truck or automobile fleets. Motor Oils Refining Company stores these oils for recycling. These used oils are not ignitable and typically have a viscosity of 100-300 SSU at 100°F. These used oils are hazardous based on their characteristic of high levels of leachable lead according to the E.P. Toxicity test (EPA Hazardous Waste Number D008). Lead has been determined to be a toxic contaminant, therefore, causing these used oils to be hazardous. Refer to Attachment I for a laboratory report detailing the chemical and physical analysis of a representative sample.

/dmg

05/24/83

ATTACHMENT I

C-1a
7-1-83

TYPICAL LABORATORY REPORT

Motor Oils Refining Company
7601 W. 47th St.
McCook, Il. 60525
(312) 442-6166

Laboratory
Analysis Report

No:

DATE RECEIVED _____

SAMPLE Typical Used Industrial and Automotive OilSOURCE Tanks 100 and 101

DESCRIPTION _____

DATE
SAMPLED _____

SAMPLE #		SAMPLE #	
() GRAVITY API		(X) SPECT. P.P.M.	
(X) FLASH °F	250	() SILVER	0
() FIRE °F		() SODIUM	133
(X) VIS @ 100	178	() ZINC	637
(X) VIS @ 210	47.71	() COPPER	38
(X) V. I.	141	() ALUMINUM	86
() ASH SO ₄ %		() BARIUM	52
() SULFUR %		() NICKEL	2
() POUR °F		() CHROMIUM	14
(X) BS & W %	6.0	() CALCIUM	824
() WATER %		() IRON	255
() COLOR ASTM		() SILICON	91
() PH		() TIN	26
() TAN/NEUT NO		() LEAD	635
() TBN		() PHOSPHORUS	844
() BENZ INSOL %		() BORON	6
() PENT INSOL %		() MAGNESIUM	100
() ANTIFREEZE GLYCOL		() VANADIUM	0
() FUEL DILU. %		() MOLYBDENUM	6
() CONRADSON CARBON		() MANGANESE	32
() SAP. NO.		() CADMIUM	0
(X) PCB (P.P.M.)	0	() TITANIUM	0

C-2, 2cMOTOR OILS REFINING COMPANYSUBJECT: Waste Analysis Plan

Currently, the Motor Oils Refining Company generates hazardous waste and accepts another hazardous waste for treatment and storage. They accept and store used industrial and automotive oils for recycling, via re-refining them back into lube oils. Re-used oil is hazardous based on its characteristic of high levels of leachable lead according to the E.P. Toxicity test. The plant periodically generates a hazardous waste, which is the tank bottoms sludge. It is generated whenever the hazardous waste oil storage tanks are taken out of service for cleaning. This may not occur every year because of the irregular schedule for tank cleaning. This sludge is also hazardous based on leachable lead.

Table 1 lists wastes, their required tests, and the frequency of testing for used oils the plant receives and wastes the plant generates. The only hazardous wastes are the wastes mentioned in the preceeding paragraph. The remainder are sampled periodically to insure they are not hazardous. The rationale for choosing the test parameters listed in Table 1 is so landfills accepting wastes which the plant generates can handle them in an environmentally acceptable manner.

The rationale for selecting the test parameters for used oil are as follows:

- 1) The plant will not accept ignitable waste oil.
- 2) The plant will not accept waste oils too high in water or solids (typically nothing greater than 20%).
- 3) The plant will not accept used oils containing greater than 50 ppm PCB.
- 4) Waste oils are segregated based on viscosity.
- 5) The plant monitors metal levels to determine lead levels and additive levels.
- 6) All tests performed can be performed quickly with existing laboratory equipment.

The test methods are summarized in Table 2 for each of the various tests performed on our wastes. The wastes will be sampled as sludge samples using a sludge thief or a sampling method described by ASTM D-270. The sample containers are to be cleaned, tagged, and dated in a container that is suitable to hold the sampled waste. The frequency of sampling is specified in Table 1.

/dmg

05/23/83

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MOTOR OILS REFINING COMPANY

Table 1

Waste Analysis Plan

C-2a, 2d

<u>Sample</u>	<u>Frequency</u>	<u>Test Parameters</u>
Industrial or Automotive Waste Oil	Every Incoming Load	BS&W (%) *Viscosity (SSU @ 100°F) *Flash Point, COC (°F) *Spectrographic Analysis (ppm) PCB (ppm)
Railroad Waste Oil	Every Incoming Load	BS&W (%) *Viscosity (SSU @ 100°F) *Flash Point, COC (°F) *Spectrographic Analysis (ppm)
Waste Oil Tank Bottoms	Only When Down for Cleaning	E.P. Toxicity Test (Minus Pesticides/Herbicides) Flash Point (Closed Cup) pH (10% Suspension) PCB (ppm)
Floc from Air Flotation Unit (Underground Tank)	Annually	E.P. Toxicity Test (Minus Pesticides/Herbicides) Flash Point (Closed Cup) pH (10% Suspension)
Clay (Filtered)	Annually	E.P. Toxicity Test (Minus Pesticides/Herbicides) Flash Point (Closed Cup) pH (10% Suspension)
Oil/Water Separator Sludge	Only When Down for Cleaning	E.P. Toxicity Test (Minus Pesticides/Herbicides) Flash Point (Closed Cup) pH (10% Suspension)

* When required by Laboratory Manager: Viscosity is run on almost every load; Spectrographic analysis and flash point are typically done on first time shipments and/or suspicious loads.

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MOTOR OILS REFINING COMPANY

Table 2

C-2b

Waste Analysis Plan - Test Method

E.P. Toxicity	7.1/EPA SW-846
Separation Procedure	7.2/EPA SW-846
Structural Integrity Procedure	7.4/EPA SW-846
Arsenic	8.51/EPA SW-846
Barium	8.52/EPA SW-846
Cadmium	8.53/EPA SW-846
Chromium	8.54/EPA SW-846
Lead	8.56/EPA SW-846
Mercury	8.57/EPA SW-846
Selenium	8.59/EPA SW-846
Silver	8.60/EPA SW-846
Flash (Liquid)	ASTM D-93-79
Ignitability (Solid or Semisolid)	Proposed ASTM E-502
pH	5.2/EPA SW-846
Corrosivity Toward Steel	5.3/EPA SW-846
BS&W	ASTM D-1796
Viscosity @ 100°F	ASTM D-445
Flash (COC)	ASTM D-92
Spectrographic Analysis	Emission Spectrograph
PCB	Gail B. Copland & C. Steven Gohmann, "Improved Method for Polychlorinated Biphenyl Determination in Complex Matrices", Environmental Science & Technology, Vol. 16, No. 2, 1982.

NOTE: EPA SW-846 - Test Methods for Evaluating Solid Wastes, 1980.

/dmg

05/23/83

C-2fIgnitable, Reactive, Incompatible Wastes

Used oil meeting the criteria of being ignitable, reactive, or incompatible are not accepted by this facility. Determination of these parameters is accomplished during the screening of samples from new generators and through sampling of each incoming load when required by Laboratory Manager.

D-1

CONTAINER MANAGEMENT

A very small percentage of used oil is received in containers (drums). A still smaller portion of this material is used crank case oil possibly containing lead.

Immediately upon receipt of any drums in the plant they are either emptied by paving into oil collection sumps or pumped into a small tank truck. In either procedure no more than one inch of residue remains on the bottom of the containers. This is determined intuitively by handling the drums.

Used oil is compatible with unlined steel drums. Some generators, however, occasionally use lined drums, which are also compatible with used oil.

For the above mentioned practice of immediately emptying used oil drums, this facility does not store any hazardous waste in containers.

Once emptied, the drums are exempt from regulation under the provisions of 40 CFR 261.7 (b) (1) (i) and (ii), and 261.33. These drums are, however, sent to a local reclaimer for processing.

A drawing of the primary drum unloading facility is attached.

Drums are unloaded from the conveying vehicle and placed on a curbed, 60'x15' concrete slab. The curb prevents both run-on and run off with run off accumulated in the collection sump. The slab will accomodate 210 drums at one time. The maximum truck load is 80, the largest box car holds 105 drums. The concrete slab is sloped to the collection sump to preclude accumulation of liquids.

Used oil is dumped, manually, into a sump that will contain 115 K gallons. After being allowed to separate, water is transferred to the API separator and the oil transferred to storage (Tank 101).

The drum unloading facility is located adjacent to the rail spur running along the southern boundary of the plant. (see page 15.20, Plot Plan Drawing)

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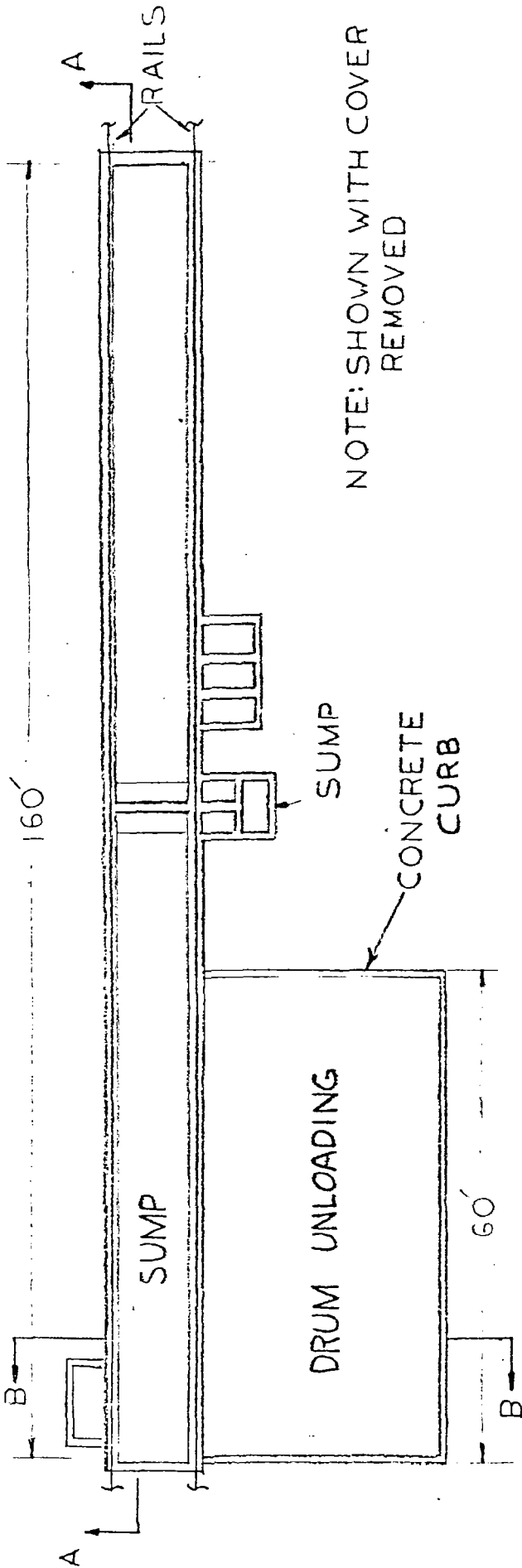
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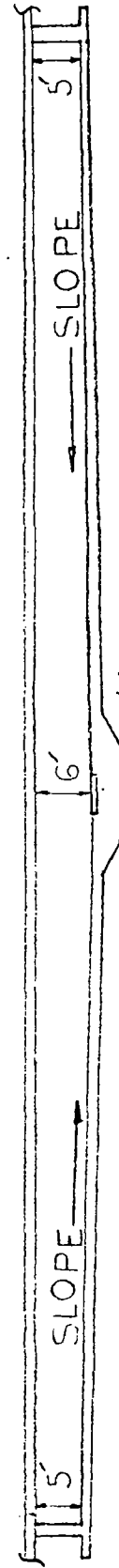
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D (3)(c)(2) Container Containment System



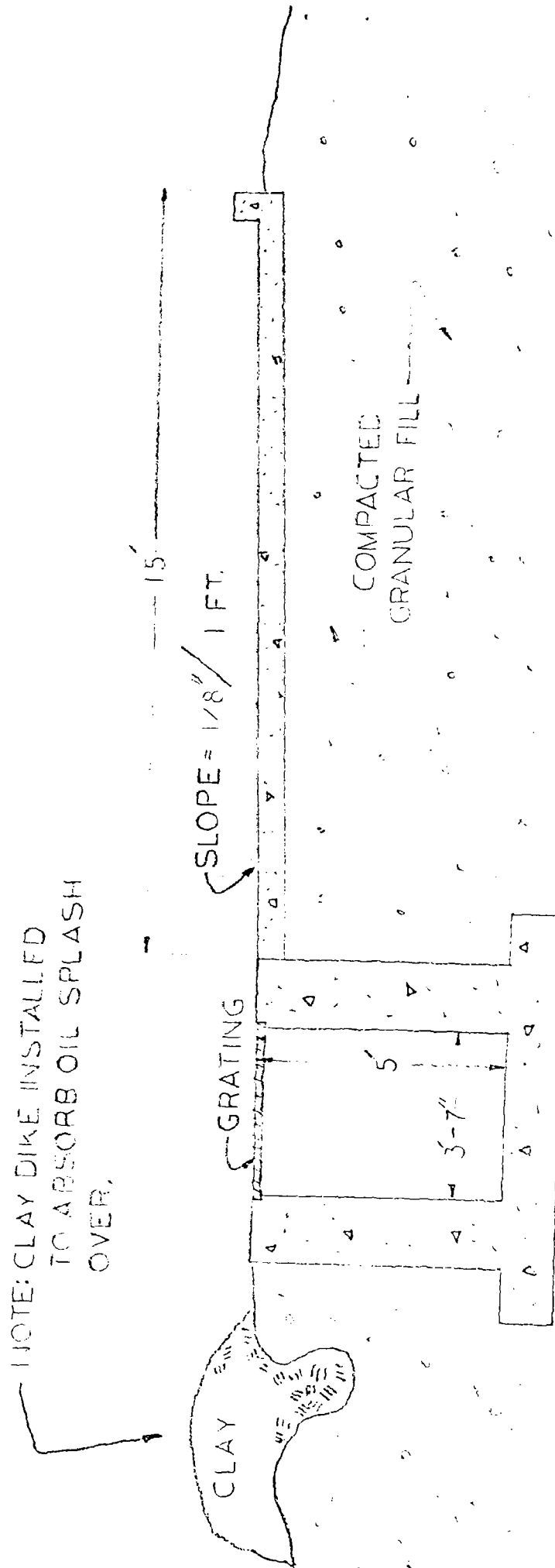
NOTE: SHOWN WITH COVER REMOVED

TOP PLAN
1"=20'



SECTION A-A
1"=20'

UNLOADING
BASIN



SECTION B-B
SCALE: 1" = 3'

NOTE: SHOWN WITHOUT RAILS

D-2

TANKS

Two (2) 250 K gallon tanks are used to store lower viscosity used oil, including used automotive crank case oils. These tanks, numbered 100 and 101 were designed to the following specifications:

<u>Design Specifications</u>	<u>Tank 100</u>	<u>Tank 101</u>
Nominal capacity	250 K gal.	250 K gal.
Height to top of shell	36' 0"	36' 0"
Diameter, inside	35' 0"	35' 0"
Conical roof slope	1-3/4 to 12	1-3/4 to 12
Material of Construction	CS ASTM A 283C	CS ASTM A 283C
Floor Thickness	1/4"	1/4"
Wall, roof thickness	3/16"	3/16"
Construction Specification	API 650	API 650
Venting	Atmospheric	Atmospheric
Internal Pressure	Atmospheric	Atmospheric

Sketches of the tanks including piping, vents, tank level guages and access ways are attached.

Foundations

Both tanks are emplaced on a six (6) inch bed of dry sand with an estimated load bearing capacity of 2 Tons/ft². The sand was spread over a dry, hard clay base with an estimated load bearing capacity of 3.5 Tons/ft². The bottoms of the floors are coated with pitch to prevent corrosion.

The maximum calculated load of a full tank is 1.034 Tons/ft².

D-2

TANKS

Corrosion

Signs of corrosion will be noted daily by the shift supervisor. These signs include leaking seams or bases, or external oxidation of tank walls.

Used oil is compatible with mild steel and causes minimal corrosion. However, when a tank is taken out of service, internal visual inspections will be made by the Operations Manager, Production Superintendent, Plant Engineer and Shift Supervisor. The tank walls, roof and the bottoms will be inspected for signs of corrosion. Corrosion may include oxidation, wall thinning and pitting. The area around welded seams are more likely to show signs of corrosion. There is no quantified internal inspection schedule. Typically tanks are taken out of service when a problem develops or when the sludge layer has increased to the level where it is difficult to feed out of the tank.

Tank Feeding System

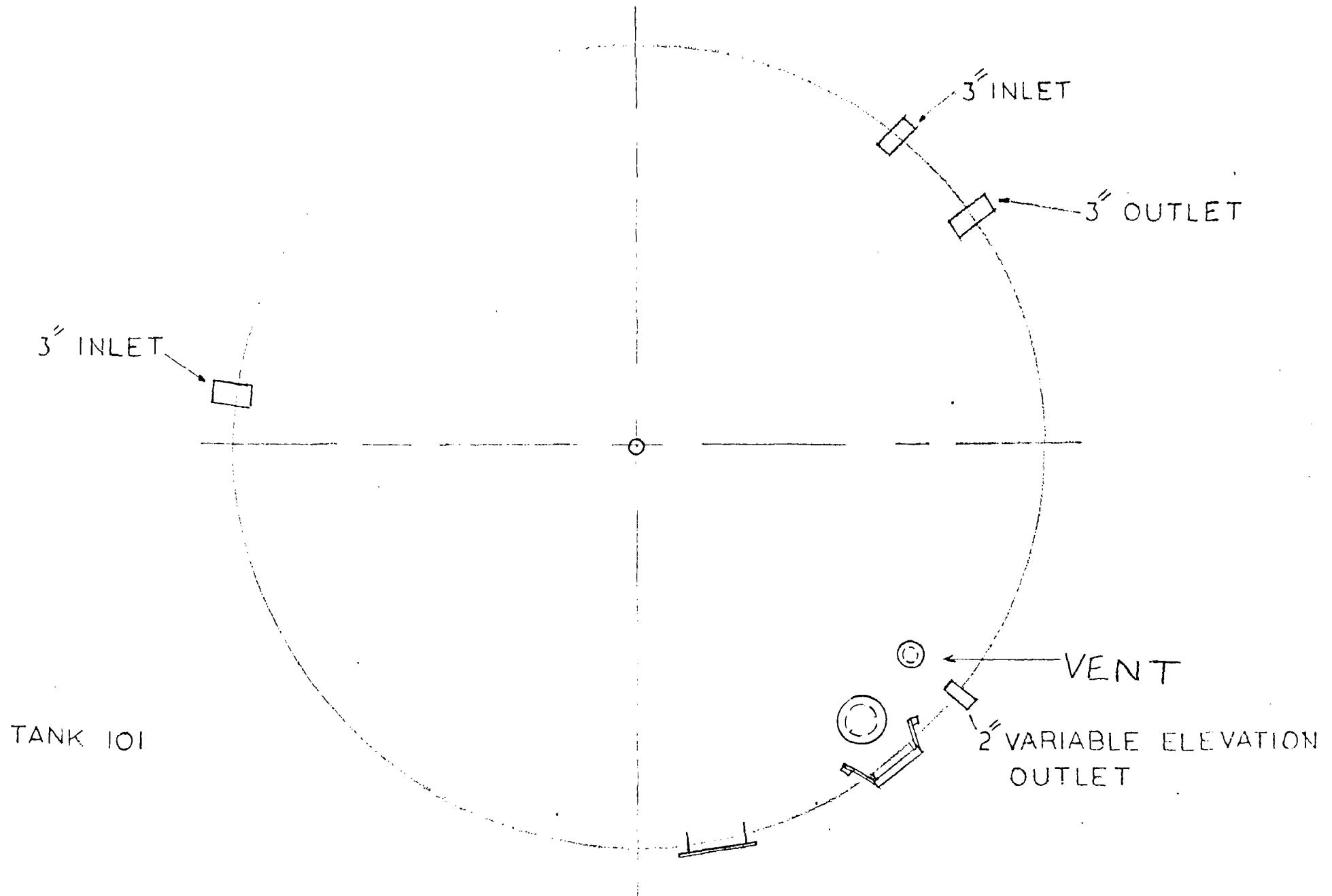
The attached Process Flow drawing is a simplified sketch of our loading/unloading operations. Both the loading & unloading operations are Operator regulated. Should a problem develop, the Operator will stop the unloading operation by shutting down the unloading pump. If a problem exists in a storage tank, the contents of the tank will be transferred to the other storage tank. If one tank is out of service and a problem develops with the other tank, the plant will discontinue receiving used oil and transfer the contents to other available tanks (i.e. diesel engine oil tanks) to temporarily store the used oil. Once the problem is the temporary storage tanks will be cleaned and put back into their original service.

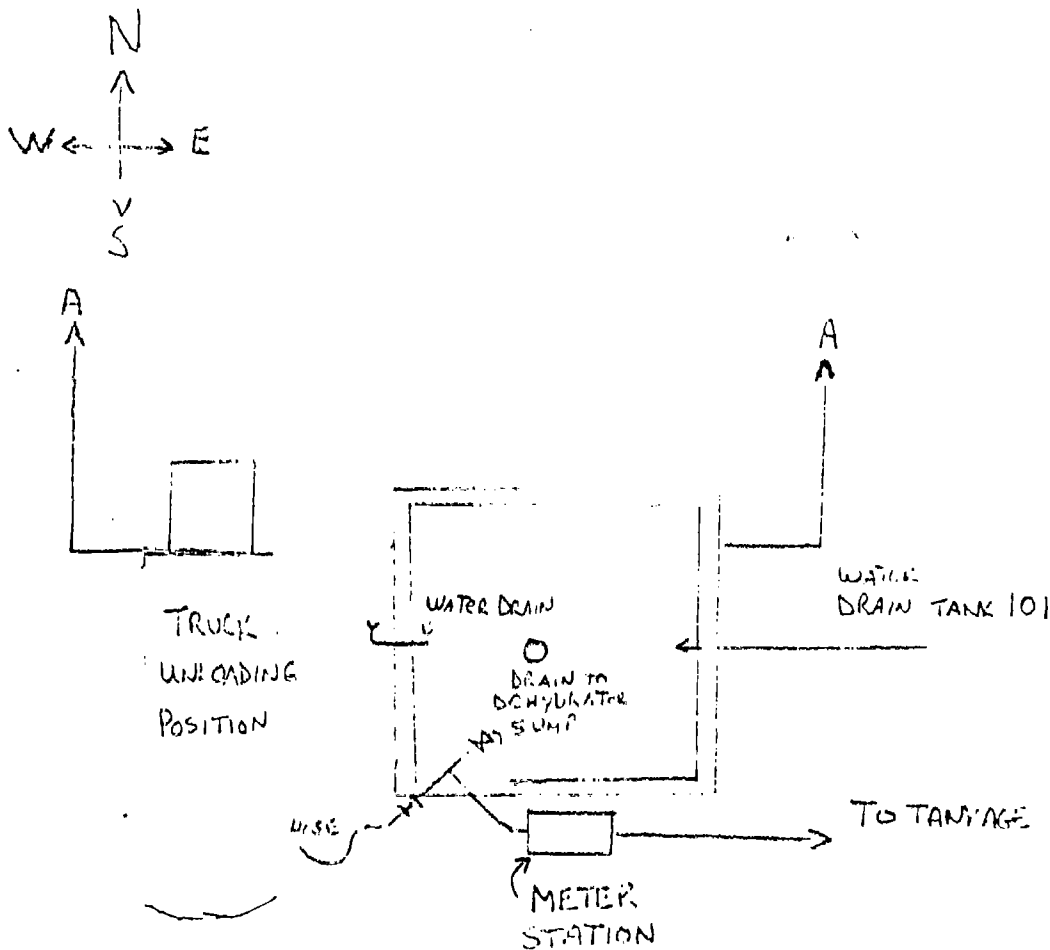
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Page 33.10

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RAIL SPUR - SOUTH BRANCH

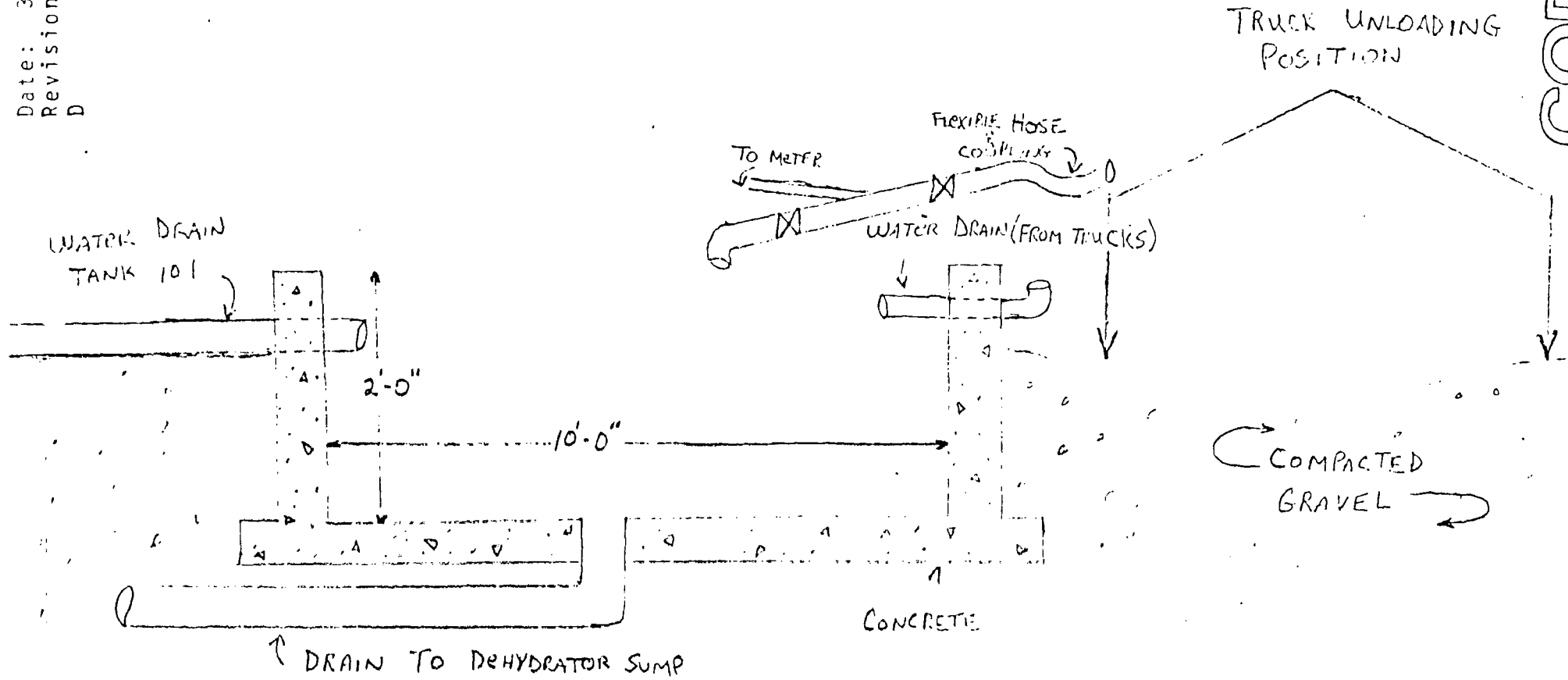
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SECTION A-A

F-1

SECURITY

During normal operations the plant runs 24 hours/day, seven days per week. The Shift Supervisor on duty is responsible for plant security. Because the plant area is small (6.6 acres), the entire plant perimeter is observed during his rounds checking process equipment. He is assisted by the operator on duty during normal operations.

Truck arrivals and departures are monitored through the Operations office during normal business hours. Drivers report to the office for unloading instructions. The Shift Supervisor approves the shipment for unloading and releases the driver when unloading is complete. At night, drivers report directly to the Shift Supervisor for unloading and release.

During infrequent shut down periods, an employee is scheduled to be physically at the plant specifically for security purposes. Round-the-clock (24 hour per day) coverage is achieved in this manner. During these periods access gates are closed and locked. No traffic is allowed into or out of the plant.

The plant is completely enclosed by an eight (8) feet high cyclone fence topped with barbed wire. The required "Danger" signs are posted at the two entrances to the plant. Additional "Restricted Area" signs are placed at frequent intervals along the fence perimeter to further discourage fence climbers.

F-2a

General Inspection Schedule

<u>Type Equipment</u>	<u>Frequency</u>	<u>Inspector</u>
Safety and Emergency Equipment	Monthly	Supervisor and Union Representative
Process Equipment (1)	Every truck load & upon transferring oil	Operator
Storage Tanks	Daily	Supervisor and Operator

- 1) Process equipment includes piping, valves, loading/unloading meters and pumps.

Safety Equipment Inspection Criteria

1. Fire Extinguishers: Check to insure extinguisher is fully charged by indicator. Hose is not deteriorated nor plugged.
2. Fire Extinguishers - 2 wheel: Check to insure unit is charged with dry chemical; nitrogen tank is full; hose is not deteriorated, kinked, or plugged.
3. Fire Hoses: Check to insure hose is not deteriorated or excessively frayed, and is connected to water source.
4. Sprinkler Systems: Check to insure water pressure gage (inlet) indicates 45-55 psig.
5. Fire Monitors (Water Turret Nozzles): Turn on to test operation; look for broken parts in traversing mechanism or nozzle.
6. Fire Blanket: Check for deterioration or dry rot.
7. Safety Showers and Eye Wash Stations: Turn on to check proper operation.
8. Portable SCBA: Check to insure air cylinder is full; mask is clean and serviceable; hoses are not deteriorated. Turn on, briefly, to insure proper operation.
9. Air Masks for Large Breathing Air Bottles: Check to insure mask is clean and serviceable; hoses are not deteriorated; regulator is present. Connect mask to air bottle and turn on, briefly, to check for proper operation.
10. Fire Alarm: Do not test. This unit is tested by ADT on a monthly basis.

F-2b, 2c

MOTOR OILS REFINING COMPANY

Subject: Plant Inspection Plan

The Federal Government, under the EPA, has promulgated regulations concerning hazardous waste management in accordance to the Resource Conservation & Recovery Act (commonly called RCRA). These regulations state that tanks that contain hazardous waste must be visually inspected once a day to ensure that the tank is being operated correctly.

The only possible hazardous waste storage tanks in the plant (according to EPA definitions) could be the waste oil storage tanks. The waste oil from industrial uses and crankcase drainings are hazardous. Diesel engine lube oils are not considered hazardous and hence are not subject to inspection. Also, small quantities of sludge constantly collects in these tanks while they are active. If these industrial waste oil tanks (tanks 100 and 101) are ever taken out of service, the plant would generate a hazardous waste sludge at that point. If the plant holds this sludge for more than 90 days, the tanks would be considered storage tanks for the sludge.

Tanks 100 and 101 must be inspected since they store hazardous used oil. The Shift Supervisor and the operator must insure that there is sufficient volume remaining in the tanks to prevent overfilling prior to unloading any container into it. Since the tanks are vented to the atmosphere and there is no heating capability, over pressure and thermal expansion do not cause any problems. Pressure and temperature guages are not installed.

In addition, the Shift Supervisor is required to make a daily inspection. This inspection will include measuring the levels daily by taking readings from the level floats. Also signs of corrosion, either on the line connections, seams, bases of the tanks, or on the waste oil unloading pumps, must be noted on the inspection. The area on the other side of the dike, by the storage tanks, must also be inspected for erosion of the dike or dead vegetation. Also the waste oil unloading pumps and the agitator loading pump must be inspected to determine if they are operative.

Whenever tanks 100 or 101 are opened for cleaning or any other reason, the interior is visually checked for corrosion by the Operations Manager, Plant Superintendent, Plant Engineer, and Shift Supervisor on duty.

All these observations, along with additional comments, will be recorded on a simple check sheet (Attachment I) and signed by the supervisor daily. If there are no unusual problems, check (✓) the sheet and sign it. If there is a problem, mark (0) and explain it in the comment section. All problems must have a work order issued to rectify the situation.

F-3

F-3 Waiver of Preparedness and Prevention Requirements

The applicant does not wish to request a waiver of the preparedness and prevention requirements under 40 CFR 264 Subpart C. Requirements of this Subpart are primarily addressed in Section D, Section F, and Section G of this application.

F-3a Equipment Requirements

Internal and external communications, emergency equipment, and fire control equipment are discussed in Section F and Section G.

F-3b Aisle Space Requirements

Aisle Space requirements are not applicable to this facility.

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Preventive Procedures, Structures, and Equipment

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F-4a

Loading/Unloading Operations

Two (2) unloading stations are in service for transferring used oil from tank trucks to storage tanks (100 and 101). Flexible connections are made from the tank truck's manifold to the plant piping system. To minimize spillage, dry-break hose connections are made at the truck manifold. After unloading, hoses are drained into sump which is also pumped into the storage tank.

Used oil is transferred from storage to the process through the Agitator Loading Pump and meter. All piping in this transfer is solid, with no opportunity for spillage.

Accidental spills are contained in an improvised dike area. The improvised dike is constructed by the plant labor force from clay and gravel in the vicinity of the spill. The plant tank truck is driven to the site and, using its own pump's suction, transfers the oil into its tank. It then discharges the oil into the proper storage tank. The plant labor force then picks up the clay and gravel and it is removed to an approved land fill.

F-4b Runoff

All runoff is collected in drainage sumps around the plant. It then flows by gravity or is pumped to the water treatment facility. Oil in the runoff is separated from the water in an API Separator and is recycled to storage.

F-4c Water Supplies

Ground water contamination is prevented by eliminating the discharge of hazardous materials on to unprotected ground. The plant is diked around its entire perimeter as depicted on the plot plan (page 15.20) and topographic survey (page 16.10). Selected areas, specifically the No. 1 unloading station, the Drum Unloading Area, and the Waste Hopper area by the filter house, are concrete paved (see Plot Plan, page 15.20)

F-4d Equipment and Power Failure

In the event of a power interruption, a 30 KW emergency generator maintains the operation of one steam boiler. The steam is used to maintain inert atmospheres in process equipment and to keep process lines and storage tanks from freezing and rupturing.

F-4e Personnel Protection Equipment

All personnel are issued uniforms, hard hats, protective gloves, aprons, safety glasses, and face shields. The hard hats, protective gloves, aprons, safety glasses and face shields are purchased to meet appropriate ANSI Standards (which meet OSHA requirements). All employees have been instructed on the potential hazards of handling used oil.

Alternate: Thomas A. Hrastich
Operations Manager Phone 442-6166 Ext. 7
Home address: 179 Roberts Road
 Bolingbrook, IL 60439
Home phone: 739-9476

- V. Upon implementation of this plan the Emergency Coordinator or alternate will prepare and issue reports as required by local, state and federal regulations. Copies of the emergency reports will be kept in the plant operations office.

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MOTOR OILS REFINING COMPANY

I-1

RCRA CLOSURE & POSTCLOSURE PLANS

RCRA CLOSURE PLAN

For RCRA - defined hazardous waste TSD facilities at the Motor Oils Refining Company - McCook Plant.

EPA I.D. Number ILD 000646786

At this time there are no plans to close any of the facilities listed in the Part A permit application. This plan was prepared to meet the requirements of 40 CFR Part 265, Subpart G, "Closure and Postclosure."

USED OIL STORAGE TANKS AND DRUM UNLOADING AREA

These tanks do not have set lifetimes or preplanned closure dates. Therefore, it is impossible to predict when this might occur. The planned closure procedure would be as follows:

- 1) Discontinue receiving used oil and empty all drums.
- 2) Continue processing until used oil inventory is depleted.
- 3) Remove tank bottoms and sludge from all sumps and dispose of per applicable RCRA requirements. This would be done via vacuum truck, which is locally available.
- 4) Clean inside of tank with high pressure water and/or cleaning materials (if necessary) using plant equipment and/or locally available tank cleaning firm.
- 5) Dispose of rinsed material per RCRA requirements through locally available tank cleaning firm.
- 6) Disconnect lines to and from tank and blind off lines as necessary. Tank is now "non-hazardous."
- 7) Return empty drums to local reclaimer for processing.

Estimated total time to do items 3-7 is approximately 60 days.

Cost of Closure

Refer to Attachment I for the estimate of the cost to close this facility.

RCRA POSTCLOSURE PLAN

Since all hazardous waste storage tanks will be decontaminated and all contents disposed of, each tank will be considered non-hazardous. Therefore, no postclosure care will be necessary.

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ATTACHMENT I

I-4

RCRA CLOSURE COST ESTIMATE - MAY 16, 1983

<u>Description</u>	<u>Cost</u>
Disposal Cost of Waste Oil Tank Sludge	\$ 25,000 (1)
Labor to Clean Waste Oil Tanks & Sumps, & Remove Drums	50,000 (1)
Disconnecting & Blending Waste Oil Tanks	15,000
Labor & Disposal Costs to Clean Oil/Water Separator	100,000
Contingency @ 5%	<u>10,000</u>
TOTAL	\$200,000

NOTES:

- (1) If there is partial closure, the two large waste oil tanks represent 40% each of this cost. The remaining tanks would represent approximately 1% each of this cost.

/dmg

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